

THE FUNCTIONALITIES OF ONLINE ORDERING BOOK SYSTEM

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THE FUNCTIONALITIES OF ONLINE ORDERING BOOK SYSTEM

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By

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ABSTRACT (ENGLISH)

The purpose of this project is to identify the functionality of Online Ordering Book System using object oriented concept based in Cooperative Univeristi Teknologi MARA, Pahang branch (UiTM), also to validate the identified functionality using horizontal prototype development technique by the user testing. Through the horizontal prototype, it serves as a guide for system developers to develop the real system based on the user requirements which will save time and decrease effort in the system development process, save cost and increase the quality of the developed system. Problems on the use of ordering book system and computer application were identified. An Online Ordering Book System was designed based on the requirement of Co-operative UiTM Pahang and lecturers. The methodology for this project is derived from the requirements analysis phases which comprise three main phases that are define requirements, analyze requirements and validate the functionality of online ordering book system using the horizontal prototype. Unified Modeling Language (UML) notation was adopted for the development of horizontal prototype. This project involved the use case diagram, use case specification, class diagram, sequence diagram, collaboration diagram, activity diagram and the list of requirements. This design was used the PHP language in order to show the interfaces of this system.

ABSTRAK (BAHASA MALAYSIA)

Projek ini bertujuan untuk mengenalpasti fungsi Sistem Pesanan Buku Dalam Talian menggunakan konsep berorientasikan objek di Koperasi Universiti Teknologi MARA cawangan Pahang (UiTM)., di samping itu untuk mengesahkan fungsi yang telah dikenalpasti tersebut menggunakan pembangunan teknik prototaip mendatar melalui pengujian dari pengguna terhadap prototaip tersebut. Melalui prototaip mendatar ini, ia akan menyediakan panduan kepada pihak pembangun system untuk membangunkan system yang sebenar berdasarkan keperluan pengguna yang akan menjimatkan masa dan usaha dalam pembangunan sistem, kos dan meningkatkan kualiti sistem yang dibangunkan. Beberapa permasalahan yang wujud di dalam sistem pesanan buku dan aplikasi komputer dikenalpasti. Rekabentuk sistem pesanan buku ini dibina berdasarkan keperluan bagi koperasi UiTM Pahang dan pensyarah. Metodologi bagi projek ini mengandungi tiga fasa iaitu mentakrif keperluan, menganalisis keperluan dan mengesahkan kefungsian system pesanan buku dalam talian menggunakan horizontal prototaip. *Unified modeling Language* (UML) notasi digunakan untuk merekabentuk system ini. Rekabentuk ini melibatkan *use case diagram*, *use case specification*, *class diagram*, *sequence diagram*, *collaboration diagram*, *activity diagram* dan senarai keperluan. Reka bentuk ini menggunakan konsep berorientasikan objek dan bahasa pengaturcaraan PHP bagi menunjukkan antaramuka sistem ini.

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LIST OF ABBREVIATIONS

HTTP	Hypertext Transfer Protocol
OBSYS	Online Ordering Book System
PHP	PHP: Hypertext Preprocessor
UiTM	Universiti Teknologi MARA
UML	Unified Modeling Language
UUM	Universiti Utara Malaysia

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CHAPTER 1

INTRODUCTION

The current or the manual system that based on papers still used now especially in ordering book from the bookshop or vendors. It is happened at MARA University of Technology(UiTM), Pahang branch where now lecturers directly order book from the vendors, and vendor will send those book to lecturers. The lecturers then sell all books to students and what ever profit will go to the lecturer. Starting this session December 2004, Administrative of UiTM Pahang is not allowed lecturers to order books directly from the vendors, but this responsibility will be handled by the Co-operative UiTM Pahang Sdn. Bhd. This is because UiTM Pahang's Administration fell that it is waste in time for the lecturer to order books and they prefer to change from manual system to electronic system. So it is important for Co-operative to manage their ordering and stock management in online method in order to enhance the co-operative's administrative activities, as well as the communication between the co-operative and lecturers who will make the order.

Therefore, this project aim to identify functionalities that will help to the co-operative's administrator to understand on how the Online Ordering Book System will give them the easiest way to process the ordering book, quickly in producing the ordering report and faster in delivery as well as a reference in building the Online Ordering Book System.

The contents of
the thesis is for
internal user
only

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